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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed wh appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

28436 7590 11/17/2004

IP CREATORS  
P. O. BOX 2789  
CUPERTINO, CA 95015  
02/18/2005 MBERHE1 00000030 0977925601 FC:2501 700.00 DP  
02 FC:8001 30.00 DP

Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/779,256	02/07/2001	Behrooz Rezvani	VELCP006C	1433

TITLE OF INVENTION: METHOD AND APPARATUS FOR PREDISTORTION OF AN X-DSL LINE DRIVER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$685	\$0	\$685	02/17/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
AHN, SAM K	2637	375-222000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 IP Creators  
2 Charles C Cary  
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ikanos Communication, Inc.  
Recorded: 6/18/2001

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Fremont, California U.S.

Please check the appropriate assignee category or categories (will not be printed on the patent):

Individual ☐ Corporation or other private group entity ☒ Government ☐

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment Deposit Account Number 50-1338 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other part interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

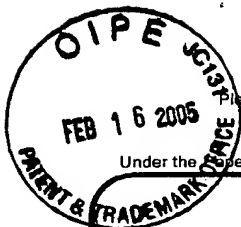
Date FEBRUARY 16, 2005

Typed or printed name Charles C Cary

Registration No. 36,764

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 14 Alexandria, Virginia 22313-1450.

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/779,256
Filing Date	02/07/2001
First Named Inventor	Behrooz REZVANI
Group Art Unit	2637
Examiner Name	AHN, SAM K.
Attorney Docket Number	VELCP006C

Total Number of Pages in This Submission

## ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
- ☒ Fee Attached
- ☐ Amendment / Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers # (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition #
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☒ Return Receipt Postcard

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):
  - 1-Check of \$730.00
  - 2-Issue Fee Submission Letter
  - 3-PART B-Fee Transmittal

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

IP Creators

Signature

Charles C. Cary Reg. #: 36,764

Date

February 16, 2005

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope with Express mail No. ED 256490226 US addressed to: Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: February 16, 2005

Typed or printed name

Charles C. Cary

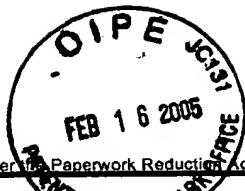
Signature

Date

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ED256490226US



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 730

## Complete if Known

Application Number	09/779,256
Filing Date	02/07/2001
First Named Inventor	Behrooz REZVANI
Examiner Name	AHN, SAM K.
Group Art Unit	2637
Attorney Docket No.	VELCP006C

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 50-1338  
Deposit Account Name: IP Creators

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0

### 2. EXTRA CLAIM FEES

Total Claims:  -20 = -20 x  = \$0  
Independent Claims:  -3 = -3 x  = \$44 = \$0  
Multiple Dependent Claims:  = \$0

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	\$0
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	\$0
1053	130	1053	130	Non-English specification	\$0
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	\$0
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$0
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	\$0
1251	110	2251	55	Extension for reply within first month	\$0
1252	410	2252	205	Extension for reply within second month	\$0
1253	930	2253	465	Extension for reply within third month	\$0
1254	1,450	2254	725	Extension for reply within fourth month	\$0
1255	1,970	2255	985	Extension for reply within fifth month	\$0
1401	320	2401	160	Notice of Appeal	\$0
1402	320	2402	160	Filing a brief in support of an appeal	\$0
1403	280	2403	140	Request for oral hearing	\$0
1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$0
1452	110	2452	55	Petition to revive - unavoidable	\$0
1453	1,300	2453	650	Petition to revive - unintentional	\$700
1501	1,300	2501	650	Utility issue fee (or reissue)	\$0
1502	470	2502	235	Design issue fee	\$0
1503	630	2503	315	Plant issue fee	\$0
1504	300			Pfublication Fee	\$0
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	\$0
1806	180	1806	180	Submission of Information Disclosure Stmt	\$0
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$0
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	\$0
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	\$0
1801	750	2801	375	Request for Continued Examination (RCE)	\$0
1802	900	1802	900	Request for expedited examination of a design application	\$0
Other fee (specify)				10 Printed copies of Patent @ \$3.00	\$30

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 730

## SUBMITTED BY

Name (Print/Type)

Charles C. Cary

Signature

Registration No.  
(Attorney/Agent)

36,764

## Complete (if applicable)

Telephone

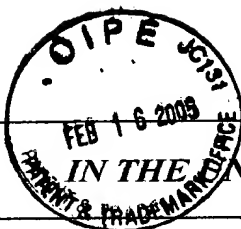
(408) 850-9585

Date

Feb 16, 2005

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Behrooz REZVANI et al.

Attorney Docket No.: VELCP006C

Application No.: 09/779,256

Examiner: AHN, SAM K.

Filed: 02/07/2001

Group: 2637 Class-Sub: 375-222000

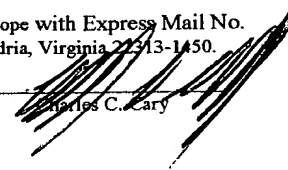
Title: METHOD AND APPARATUS FOR  
PREDISTORTION OF AN X-DSL LINE DRIVER

CERTIFICATE OF MAILING

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Date: February 16, 2005

Signed: \_\_\_\_\_

  
Charles C. Cary

SUBMISSION OF THE ISSUE FEE

Mail Stop ISSUE FEE  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

This communication is in response to PTOL-37 attached to the November 17, 2004 Notice of Allowance and Issue Fee Due for the above referenced design patent application. Enclosed please find:

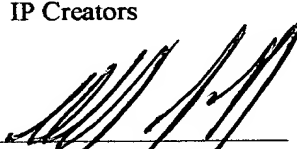
- Part B Fees Transmittal
- Check for \$730.00 for the Issue Fee payment as a Small Entity and for 10 printed copies

Thank you for your assistance in this matter. Do not hesitate to contact the undersigned as indicated below should you have any questions regarding this matter.

Respectfully submitted,  
IP Creators

Date: February 16, 2005

Signed: \_\_\_\_\_

  
Charles C. Cary  
Registration No. 36,764

IP Creators  
P. O. Box 2789  
Cupertino, CA 95015